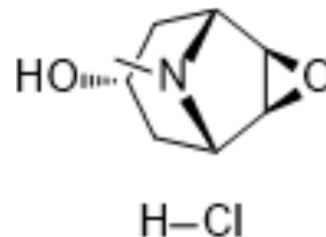


## Scopine hydrochloride

<b>Cat. No.:</b>	HY-B0459A
<b>CAS No.:</b>	85700-55-6
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>14</sub> ClNO <sub>2</sub>
<b>Molecular Weight:</b>	191.66
<b>Target:</b>	Adrenergic Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (521.76 mM)  
 DMSO : 25 mg/mL (130.44 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		5.2176 mL	26.0879 mL	52.1757 mL
	5 mM		1.0435 mL	5.2176 mL	10.4351 mL
	10 mM		0.5218 mL	2.6088 mL	5.2176 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (521.76 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (13.04 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (13.04 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (13.04 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Scopine hydrochloride (6,7-Epoxytropine hydrochloride) is the metabolite of anisodine, which is a α<sub>1</sub>-adrenergic receptor agonist and used in the treatment of acute circulatory shock.

#### IC<sub>50</sub> & Target

α adrenergic receptor

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## REFERENCES

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[1]. <http://en.wikipedia.org/wiki/Scopine>

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA